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(30)Priority

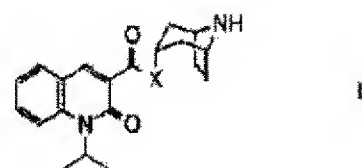
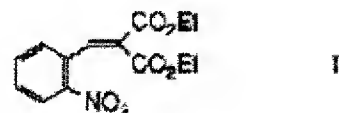
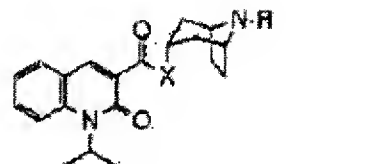
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(54) ALKYL-SUBSTITUTED QUINOLINECARBOXYLIC ACID DERIVATIVE

(57)Abstract:

PURPOSE: To obtain a compound having a serotonin 4 receptor stimulating effect and useful for improvement of alimentary symptoms such as heartburn, anorexia or abdominal distension caused by chronic gastritis or diabetes or accompanying a surgery such as gastrectomy and for therapy of regurgitant esophagitis, constipation, etc.

CONSTITUTION: A compound of formula I (R is a 2 to 15C alkyl or an aralkyl; X is O or imino) or its salt, e.g. end-N-(8-ethyl-azabicyclo[3.2.1]oct-3-yl)-1- isopropyl-2-oxo-1, 2-dihydro-3-quinolinecarboxamide. The compound of formula I is synthesized by using a compound of formula II as the starting substance, conducting reductive ring closure, N-isopropylation,



hydrolysis, esterification or amidation and deethylation in order to obtain a compound of formula III and then reacting a compound of the formula RL' (L' is a halogen, tosylate or mesitylate) therewith.

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